

Product datasheet for MC213179

Nfkbid (NM_172142) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Nfkbid (NM_172142) Mouse Untagged Clone

Tag: Tag Free

Symbol: Nfkbid

Synonyms: I-kappa-B-delta; IkappaBNS; ikB-delta

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >MC213179 representing NM_172142
Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGACTCTCTGGATACCCGGCTGTATCCTGAGCCTTCCCTGTACAGGTAGGGTCTGGAGAGTCT
CTAGTCTCCCCTCAGGATCCCCACAGTTGCCTTACCCACCGGACCGTCCCTGGAGACAGCCGAGCTCA
CATATTGGCTCTGGGGCCCCAACAACTGCTGGCCAGGATGAGGAAGGAGACACGCTCTGCACCTGTTT
GCTGCCGGGGGCTGCGCTGGGCAGCATATGCTGCGGCCGAGGTGTACAGATGTACCGACAGCTGGATA
TTCGTGAACATAAAGGCAAGACGCCGCTCCTGGTGGCAGCTGCTGCCAACCAGCCACTGATTGTGGAAGA
CCTGTGAGCCTGGGAGCAGAGCCTAACGCCACTGACCACCAGGGCCGTTCCGTCTTGACAGTGGCTGCC
ACCTATGGACTCCCGGAGTCTTTTCGGCTGTGTTAAGTCCGGCATTCAAGTGGATCTGGAAGCCAGAG
ACTTCGAAGGCCTTACCCCCCTGCACACAGCCGCTCCTGGCCCTCAACGCTGCTATGCTCCAGCTAGTGT
GTGTCCAAGGATGCAGAAATCCCAAGCCGAGACAGACTGACTTGTGTGCAGATGTTACTGCAATGGGT
GCCAGTCATAAAGCCAGGAGATCAAGAGCAACAAGACCATTCTGCACTTGGCTGTACAGGCTGCCAACC
CCACGCTGGTTCAGCTGCTCCTGGGACTGCCAAGGGGGACCTGCGGGCCTTTGTTAATGAAGGCCCA
TGGCAACTGCCCTCCACATGGCAGCCGCCCTGCCCCCTGGGCCGCCCAAGAGGCCATTGTGCGGCAC
CTGTTGGCAGCCGAGCAGACCCGACACTGCGCAACCTGGAGAACGAACAGCCTGTTCACTTGCTGCGAC
CCGGGCCGGGCCCTGAGGGCTCCGGCAGCTGTTGAAGAGGAGCCGACGGCACCCCCAGGCTTGTCTCT
TAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_172142
Insert Size:	984 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_172142.3, NP_742154.1</u>
RefSeq Size:	2010 bp
RefSeq ORF:	984 bp
Locus ID:	243910
UniProt ID:	<u>Q2TB02</u>
Cytogenetics:	7 B1
Gene Summary:	Regulates the expression of IL-2, IL-6, and other cytokines through regulation on NF-kappa-B activity. Functions in the regulation of inflammatory responses (PubMed:11931770, PubMed:15749903, PubMed:16410444, PubMed:16413922, PubMed:17641034). Involved in the induction of T helper 17 cells (Th17) differentiation upon recognition of antigen by T cell antigen receptor (TCR) (PubMed:25282160). According to PubMed:11931770, it may also regulate TCR-induced negative selection of thymocytes (PubMed:11931770). [UniProtKB/Swiss-Prot Function]